

L3 ANSWER 49 OF 154 CA COPYRIGHT 2005 ACS on STN
AN 138:16261 CA
ED Entered STN: 02 Jan 2003
TI A method of reducing **carbon** levels in **fly ash**
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SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2

DT Patent
LA English
IC ICM F23J001-00
ICS C04B018-08
CC 60-4 (Waste Treatment and Disposal)
Section cross-reference(s): 51

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002097330	A1	20021205	WO 2002-CA804	20020531
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002189497	A1	20021219	US 2001-872178	20010601
PRAI	US 2001-872178	A	20010601		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2002097330	ICM	F23J001-00
	ICS	C04B018-08
US 2002189497	ECLA	F23J001/00

AB There is disclosed a method of reducing **carbon** levels in **fly ash**. The method comprises the steps of: (a) placing the **fly ash** in a microwave reactor; (b) exposing said **fly ash** to microwave radiation in the presence of **carbon**-free material such as coarsely ground MnO₂ so as to raise its temp. to at least 600 .degree.C while agitating the **fly ash** in the presence of oxygen; and; (c) terminating exposure of said **fly ash** to said microwave radiation when the **carbon** content of the **fly ash** has fallen below a predetd. value. The method of the present invention is also useful in depleting ammonia from **fly ash**. While the method will typically be carried out on **fly ash** contg. both **carbon** and ammonia, the method is also useful in treating samples contg. only one of these two materials.

ST **carbon** ammonia removal **fly ash** fluidized bed microwave reactor